

**From:** Gülcan Türker  
**To:** Partridge, Charles  
**Subject:** Ynt: United States Environmental Agency- re:meconium  
**Date:** Thursday, January 2, 2020 5:40:09 PM

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Dear Partridge

Thank you for your attention.

Units is not correct. The correct unit is microgram/gram/kg. Laboratory results are given to us as microgram / gram dry weight meconium. We only divided the baby's weight in kg. Forexample 92 mikrogram /g zinc $\times$ 2,070kg=190,44 mikrogram/gram dry weight meconium. Microgram symbol was written as a nanogram symbol.

Huawei Mobil'imden gönderildi

----- Orijinal İleti -----

Konu: United States Environmental Agency- re:meconium

Gönderen: "Partridge, Charles"

Alici:gulcanturker 

CC:

Dr. Turker thank you for the prompt reply. If possible I would like to ask you the following question,

We have been compiling a recent literature review on metal concentrations in meconium. As part of our literature review, we obtained two articles you authored - *Effect of heavy metals in the meconium on preterm mortality: Preliminary study* [Pediatrics International (2013) 55:30–34] and *Concentrations of Toxic Metals and Trace Elements in the Meconium of Newborns from an Industrial City* [Biol Neonate (2006) 89:244–250].

In reviewing the data presented in the 2013 article, the paper states meconium metal levels were “standardized by the dry weight of the sample in grams and then divided by the baby’s weight in kg” and values are expressed in units of nanograms per gram of meconium per kilogram body weight (ng/g/kg). For example, the median zinc meconium level for surviving infants shown in Table 2 of your 2013 paper is 92 ng/g/kg. Our review of the literature has found that the most common unit for expressing meconium